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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: DAMS, RUDOLF J.

Application No.: 10/729073

Group Art Unit:

Filed: December 5, 2003

Examiner: Unknown

Title: COATING COMPOSITIONS WITH PERFLUOROPOLYETHERISOCYANATE  
DERIVED SILANE AND ALKOXYSILANESINFORMATION DISCLOSURE STATEMENTCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

March 30, 2004

Date

Joyce M. Courtney

Signed by: Joyce M. Courtney

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

March 30, 2004  
DateBy: Robert H. Jordan  
Robert H. Jordan, Reg. No.: 31,973  
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3M Innovative Properties Company  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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DAMS, RUDOLF J.

Art Unit

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(Use as many sheets as necessary)

Page 1 of 5

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 2002/0192380	12/19/02	Elsbernd et al.	
	A2	US- 2003/0113555	6/19/03	Pellerite et al.	
	A3	US- 2003/0139521	7/24/03	Linert et al.	
	A4	US- 2003/0181572	9/25/03	Tan et al.	
	A5	US- 2,567,011	9/4/51	Diesslin et al.	
	A6	US- 3,250,808	5/10/66	Moore, Jr., et al.	
	A7	US- 3,271,341	9/6/66	Garrison, Jr.	
	A8	US- 3,274,244	9/20/66	Mackenzie	
	A9	US- 3,536,710	10/27/70	Bartlett	
	A10	US- 3,555,089	1/12/71	Bartlett	
	A11	US- 3,574,770	4/13/71	Paine	
	A12	US- 3,621,059	11/16/71	Bartlett	
	A13	US- 3,644,492	2/22/72	Bartlett	
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	A15	US- 3,772,195	11/13/73	Francen	
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	A18	US- 3,810,874	5/14/74	Mitsch	
	A19	US- 3,814,741	6/4/74	Caporiccio et al.	
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	A22	US- 3,950,588	4/13/76	McDougal	
	A23	US- 4,090,967	5/23/78	Falk	
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	A25	US- 4,242,516	12/30/80	Mueller	
	A26	US- 4,359,096	11/16/82	Berger	
	A27	US- 4,383,929	5/17/83	Bertocchio et al.	
	A28	US- 4,472,286	9/18/84	Falk	

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 2 of 5	<b>Application Number</b>	<b>10/729073</b>
	<b>Filing Date</b>	<b>December 5, 2003</b>
	<b>First Named Inventor</b>	<b>DAMS, RUDOLF J.</b>
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	<b>58809US002</b>

U.S. Patent Documents					
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		Doc. Number-(Kind Code if Known)			
	A29	US- 4,536,298	8/20/85	Kamei et al.	
	A30	US- 4,647,413	3/3/87	Savu	
	A31	US- 4,668,406	5/26/87	Chang	
	A32	US- 4,687,707	0/18/87	Matsuo et al.	
	A33	US- 4,795,764	1/3/89	Alm et al.	
	A34	US- 4,923,720	5/8/90	Lee et al.	
	A35	US- 4,975,502	12/4/90	Morita et al.	
	A36	US- 4,983,769	1/8/91	Bertocchio et al.	
	A37	US- 5,022,713	6/11/91	Pugh et al.	
	A38	US- 5,027,742	7/2/91	Lee et al.	
	A39	US- 5,066,522	11/19/91	Cole et al.	
	A40	US- 5,085,786	2/4/92	Alm et al.	
	A41	US- 5,108,799	4/28/92	Hoy et al.	
	A42	US- 5,130,477	7/14/92	Koike et al.	
	A43	US- 5,211,342	5/18/93	Hoy et al.	
	A44	US- 5,274,159	12/28/93	Pellerite et al.	
	A45	US- 5,294,248	3/15/94	Chittofrati et al.	
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	A49	US- 5,698,138	12/16/97	Visca et al.	
	A50	US- 5,705,591	1/6/98	Matsuda et al.	
	A51	US- 5,739,369	4/14/98	Matsumura et al.	
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	A53	US- 5,863,612	1/26/99	DeSimone	
	A54	US- 5,910,557	6/8/99	Audenaert et al.	
	A55	US- 5,919,886	7/6/99	Matsuda et al.	
	A56	US- 5,922,787	7/13/99	Kondo et al.	

<b>*Examiner:</b>	<b>Date Considered:</b>
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		Doc. Number-(Kind Code if Known)			
	A57	US- 5,922,833	7/13/99	DeSimone	
	A58	US- 6,030,663	2/29/00	McClain et al.	
	A59	US- 6,127,000	10/3/00	Carbonell et al.	
	A60	US- 6,200,884	3/13/01	Yang et al.	
	A61	US- 6,218,499	4/17/01	Tarumi et al.	
	A62	US- 6,287,640	9/11/01	McClain et al.	
	A63	US- 6,288,157	9/11/01	Jariwala et al.	
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	A68	US- 6,613,860	9/2/03	Dams et al.	
	A69	US- 6,649,272	11/18/03	Moore et al.	
	A70	US- 2003/0138643	7/24/03	Moore et al.	

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	EP	0 219 065	3/11/92			
	B2	EP	0 250 767	9/4/91			
	B3	EP	0 273 449	3/11/92			
	B4	EP	0 615 779	2/3/94			X
	B5	EP	0 625 526	11/23/94			
	B6	EP	0 789 050	8/13/97			
	B7	EP	0 797 111	9/24/97			
	B8	EP	0 853 638	4/11/01			
	B9	EP	0 870 778	10/14/98			
	B10	EP	1 006 168	6/7/00			
	B11	EP	1 038 919	9/27/00			

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		Ctry. Code	Number+KindCode (If known)				
	B12	EP	1 329 548	7/23/03			
	B13	JP	10-81873	3/31/98			X
	B14	JP	62-238867	10/19/87			X
	B15	JP	4-146917	5/20/92			X
	B16	JP	57-70112	4/30/82			X
	B17	WO	97/45167	12/4/97			
	B18	WO	98/40439	9/17/98			
	B19	WO	99/03941	1/28/99			
	B20	WO	99/19080	4/22/99			
	B21	WO	99/37720	7/29/99			
	B22	WO	00/27544	5/18/00			
	B23	WO	00/56450	9/28/00			
	B24	WO	01/30873	5/3/01			
	B25	WO	02/95121	11/28/02			
	B26	WO	02/30848	4/18/02			
	B27	WO	03/040209	5/15/03			
	B28	WO	03/040247	5/15/03			

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Milton J. Rosen, "Surfactants and Interfacial Phenomena," Second Ed., John Wiley & Sons, New York, NY, 1989, page 1
	C2	Milton J. Rosen, "Surfactants and Interfacial Phenomena," Second Ed., John Wiley & Sons, New York, NY, 1989, pages 3-4
	C3	Fluorinated Surfactants and Repellents", Second Edition, by E. Kissa, Surfactant Science Series, Volume 97, Marcel Dekker, Inc.: New York, 2001, pp 1- 21
	C4	Encyclopedia of Chemical Technology, 4 <sup>th</sup> Edition, "Supercritical Fluids", N.Y., John Wiley and Sons, vol. 23, pp. 452-477

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	C5	K.A. Nielsen, J.N. Argyropoulos, D.C. Busby, D.J. Dickson, C.S. Lee, <i>"Enhanced Performance and Improved Economics of Supercritical Fluid Applied Coatings"</i> , pp. 151-160, Feb. 22-24, 1995, Waterborne, High-Solids, and Powder Coatings Symposium
	C6	W.C.Bunyard, F.E. Henon, S.N. Burns, R.W. Linton, R.G. Carbonell, J.M. DeSimone, <i>"Synthesis of Novel Perfluoropolyethers for Carbon Dioxide-Based Coatings Technologies"</i> , University of North Carolina, Dept. of Chemistry, pp. 1-10
	C7	J. Lewis, J.N. Argyropoulos, K.A. Nielson, <i>"Supercritical Carbon Dioxide Spray Systems"</i> , Metal Finishing, April, 1997
	C8	Annual Book of ASTM Standards, 2003, ASTM D-1331, entitled "Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents, pp. 83-85
	C9	Test method 22-1996, published in the 2001 Technical Manual of the American Association of Textile Chemists and Colorists (AATCC), entitled "Water Repellency: Spray Test", Volume 72, 1997, pp. 62-64
	C10	American Association of Textile Chemists and Colorists (AATCC) Standard Test Method No. 118-1983, Volume 59, 1984, entitled "Oil Repellency: Hydrocarbon Resistance Test", p. 274
	C11	Annual Book of ASTM Standards, Part 23, 1970, ASTM D 1141-52, entitled "Standard Specifications for Substitute Ocean Water", pp. 207-209
	C12	

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